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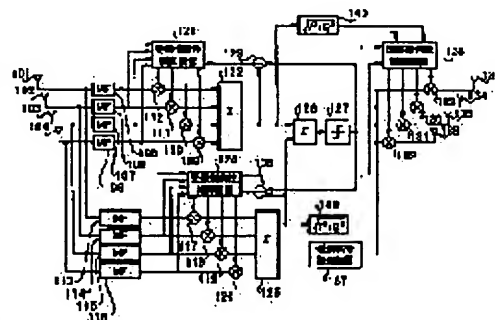
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## (54) ADAPTIVE TRANSMISSION DIVERSITY SYSTEM AND ADAPTIVE TRANSMISSION DIVERSITY METHOD

(57)Abstract:

PROBLEM TO BE SOLVED: To provide the adaptive transmission diversity system that detects a directivity pattern of a direct wave and an indirect wave arrived at a different time so as to decide a transmission directivity pattern in response to the detected directivity pattern and to provide concrete selection criteria to decide the transmission directivity pattern.

SOLUTION: The system adopts the spread spectrum method and a reception directivity controller 121 detects a directivity pattern of a direct wave and an indirect wave arrived at a different time. A transmission directivity controller 128 is operated according to a transmission directivity pattern that is decided by selecting a transmission directivity pattern from a directivity pattern for each time of each arrived wave obtained by the reception directivity controller 121 or synthesizing the directivity patterns. Thus, higher transmission performance is realized.



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